

Experience with Output Based Standards

Issues facing the State of New York

Robert G. Sliwinski, P.E.

Experience with Output Based Standards

- NO_x RACT – IC Engines (g/bhp-hr)
- NO_x Budget Program – Part 204
 - Allocate allowances based on output ?
- Acid Deposition Reduction Program (Parts 237 and 238)
 - Allocate allowances based on output ?

Problems facing NYS

- Projected electricity generation supply shortfall in the future
- Transmission Infrastructure
 - old and in need of repair/modernization
 - difficulties distributing electricity to certain areas
 - area of greatest concern – NYC and LI

Short-term Solutions

- Statewide Coordinated Demand Response Program
 - NYISO, NYPA, LIPA
- NYISO – “Emergency Demand Response Program”
- Use of Emergency Generators
- Demand Reduction

Regulating Demand Response

- Emergency Rule – Summer of 2001
- Summers of 2002 and 2003
- Commissioner's Directive

Air Quality Concerns

- NYMA Ozone SIP
 - PM_{2.5}
 - Toxics
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- Existing Fleet of Diesel Generators

Questions to be Addressed

- How do we permit demand response sources?
- What emission limits should be established?
- HOW MANY SOURCES ARE OUT THERE?

Diesel Generators in NYS

Engine Size (KW)	Number of Engines in NYS	Total Capacity (MW)
25 – 300	10,300	1,380
> 300	4,700	3,820
Totals	15,000	5,200

New York's Approach

- Stakeholder Process
 - Industry Trade Groups
 - Manufacturers
 - Electric Utilities
 - Source Owners
 - Environmental Groups

New York's Approach

Existing DG Sources

- Emergency Generation Sources: “Putting the Genie back into the bottle.”
- Survey of Existing Technologies
- Standards for NO_x and PM

New York's Approach

- New Sources
 - Survey of Current State of the Art
 - Emission Standards – based upon source type and fuel use
 - Incentives for CHP

New York's Approach

- Schedule
 - Draft Emission Standards (April 2003)
 - Stakeholder Meetings (next meeting April 4)
 - Draft Rule by late-summer 2003
 - Final Rule in early-2004